Chemistry I: The Periodic Table Knowledge Check list

Be able to define terms:

Periodic Table	Periods/Series	Families/Groups	Periodic Law
Noble Gases	Metals	Nonmetals	Metalloids
Transition energy	Rare-earth elements	Alkali metals	Glenn Seaborg
Dmitri Mendeleev	ionization energy	Atomic radius	Halogens
Transition metals	Actinide Series	Lanthanide Series	electron affinity
Electronegativity	Johann Dobereiner	Law of Triads	John Newlands
Law of Octaves	alkaline earth metals		

Must be able to explain:

1. the periodic trends on the periodic table of the following atom characteristics as you go down a group and across a period:
    a. Atomic radius
    b. ionization energy
    c. electron affinity
    d. Electronegativity
2. the periodic law

Identify:

1. Parts of the Periodic Table
2. the groups/families of elements
3. the scientists who lead to the development of the Periodic Table
4. elements by their outermost configuration

Must be able to give the outermost electron configuration and electron dot structure according to the location of an element on the Periodic Table.

Responsibilities:

1. Review 5
2. Homework 5
3. Graphing of Periodic Functions Lab
4. Mystery element